



Department
for Transport

The Highways Network





Introduction

- ▶ Before the Highways Network, there was no authoritative road network dataset
- ▶ There are many questions that the Department wants to be able to answer, for example:
 - ▶ How many miles of cycle lanes are there?
 - ▶ What is the capacity of the road network?
 - ▶ Where are all the classified 'C' roads?
 - ▶ Where are all the 'private roads'?
 - ▶ Who manages road X?
 - ▶ How much of the road network has three / four lanes?
 - ▶ What would be the impact of changing a speed limit on single carriageways?

A lot of this information was know to be held by highways authorities, but in a piecemeal way, with no national picture.



Introduction – the plan

- ▶ Bring together intelligence from:
 - ▶ Ordnance survey Integrated Transport Network (ITN) – DfT’s primary source of information prior to this project
 - ▶ GeoPlace National Street Gazetteer (NSG) – locally held data on roads brought together at national level, used operationally to maintain and manage works/events
 - ▶ Local Authorities
 - ▶ Highways England
 - ▶ Welsh Government
 - ▶ Other information held by government

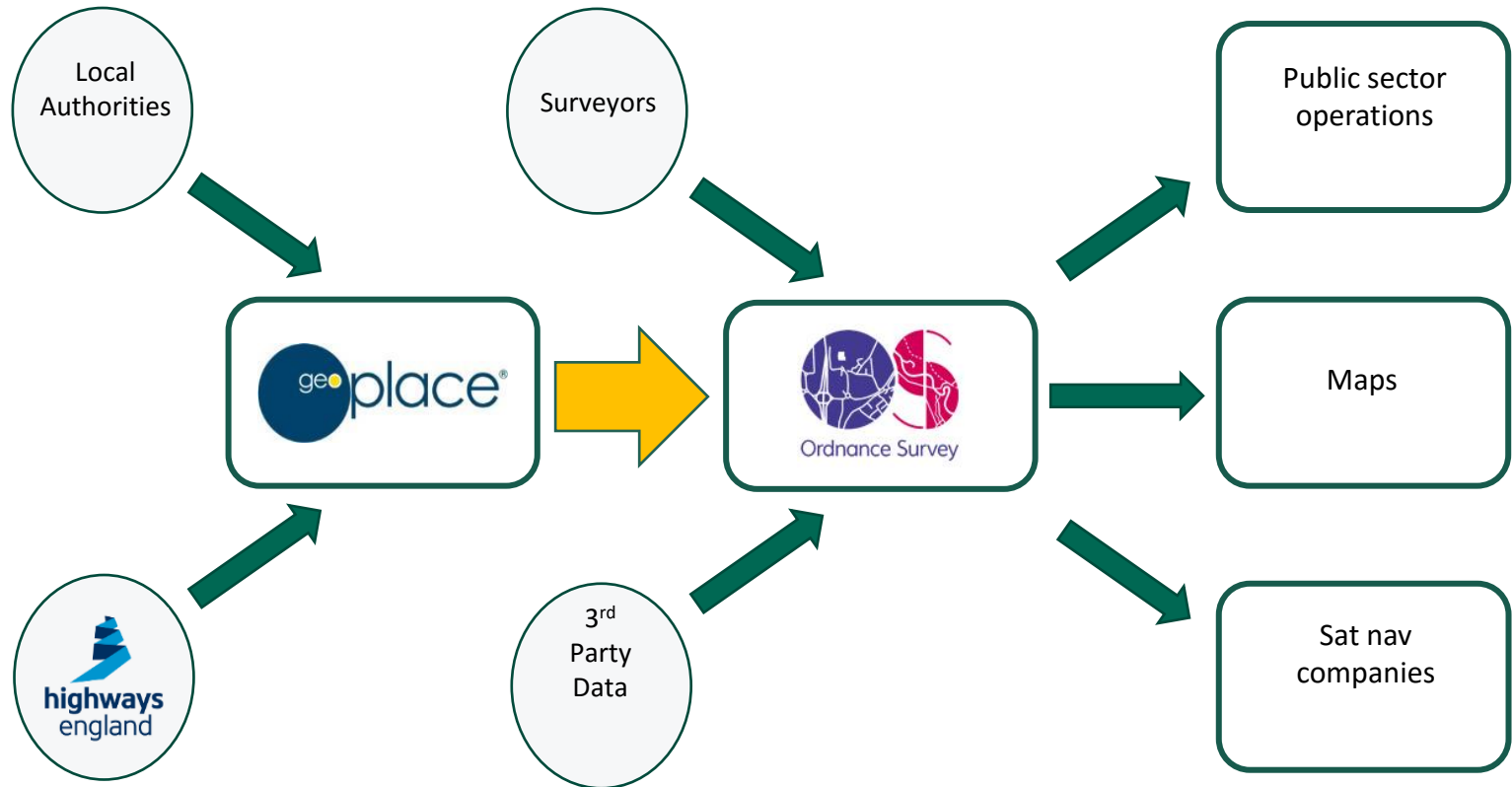
- ▶ Aim: To create a common authoritative view of the whole road network, containing highly detailed information provided by those managing the network



Highways management

National Mapping Agency

Outputs





What the Dataset Contains

Physical Properties	Rights & Restrictions	Advisory Information	Asset Management
Surface Type	Access & Use Restrictions	Barriers (Bollards, Gates)	Maintenance responsibility
Width of carriageway	Turn Restrictions	Hazards (Ford, Gradient, Level Crossing)	Reinstatement
Elevation profile of road network	Vehicle Restrictions (Height, weight, width)	Structures and Traffic Safety (Bridge/Tunnel, Toll, Traffic Calming)	Special Designation (Protected Street, Traffic Sensitive Street, Special Engineering Difficulty)
	Public Rights of Way (where related to roads)	Road classification	

Much of this information was previously only visible to local authorities.